M. A. R. 57 (Rule 116)
Measurement Book

No. B 497253

Serial No. 1st and final Bill.

Name of Work Providing necessary from borewell accessories and laying PVC pipelines additional GI pipes pump and motors, to existing Borewells in W.no.06

Name of Contractor of nature of Agency Sri. H.V. Nagaraj M/s Kranthi Electricals,

Date of commencement of work D.O. Recorded 30.09.2019

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est. Cost :- 20.00 Lakhs.						
	Job Code :- 006-19-000041						
	Work order No :- BBMP/EE/BTP/WO/59/2019-20						
	A.S. No :	AS/CE(YNK)/13/19.20				Dt. 09.05.2019	
	T.S. No =	TS/BBCBTP/12/19.20				Dt. 09.05.2019	
	Date of commencement :	16.09.2019					
	Date of completion :	30.09.2019					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1)	Supply and delivery at site brand New texmo/Innoval/luw Sabar/Atalanta/Calamal/Waterman/Radha Make Suitable HP deep well Submercible Pumpset Suitable for vertical installation in 150 dia borewells compressing of Single Stage or multistage CF Pump Close Coupled by means of Stainless Steel Coupling to suitable HP Suitable Speed totally enclosed and filled with Pure drinking Water Squirrel Cage submercible induction Motor Suitable for operation of 3ph. 50Hz 380/440 Volts AC Supply fitted with required accessories such as Suction, Casing. Suction Strainers. Sand guard. Non return Valve etc						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497254

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Complete the pump and motor shall from an integral unit with all the required for motor 12.5HP 25 stage,						
	① Hegadenagar church ② Thani Sandra (Near Temale)	2	-	-	-	2 nos	
			@ Rs. 56414.00				112828.00
②	For motor 15 HP 30 stage. ① Shabarinagara (2nd cross)						
	② Hegdenagara (Smashana)						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③ Hegdenagara 1st cross (Ramaiahs House)	3	-	-	-	3 nos	
			@ Rs = 63498-00				190494-
③	For Motor 17.5 HP, 30 Stage.						
	① Dasara halli (School compound)						
	② Fathima maqsid (Electrical factory)						
	③ Hegdenagara (Police qutaress)	3	-	-	-	3 nos	
			@ Rs = 72126.00				216378.0

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497255

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Supplying and delivery at site brand new/Essen/Lotus sunsines/ Adarsh/ GK controls best indigenous make combine energy meter-cum-control panel board unit of size 1200x600x300mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. AC supply with spring loaded latch locking with 9 key ribs should be provided inside the door. canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph. 50Hz. 380/440 AC supply shall be consisted etc						completed

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Referen to las Measurer
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	T Panel board shall be fabricated on single unit in the above components panel board for suitable pumpset ab						
	components panel board for suitable pumpset above up to 20HP with star delta starter,						
	① Dasarahalli Colony	2	–	–	–	2 Nos	
	② Hegade nagar 6th cross	1	–	–	–	1 Nos	
	③ Farthinuma Maqzid	1	–	–	–	1 No	
	④ New Shanthi Nagar (Hegde nagar)	1	–	–	–	1 No	
			–	–	–	5 nos	
			@ Rs: 21000-00				105000-0

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497256

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5) Providing. laying and Jointing GI Pipes confirming to IS Specification of approved Make with fittings such as Collars bends elbows tees nipples plugs with cuts threads using white leds threads for Joints wherever necessary as per direction Including all lead & lift etc. Complete 'A' grade (excluding cost of fittings) 50mm dia GI pipe B Class.						
	(1) New Shanthi nagar (Hegdenagar)	35	6.00	–	–	210.00	Mts
	(2) Hegdenagar	10	6.00	–	–	60.00	Mts

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Sarai palya (Tuba layout)	7	6.00 Mts	—	—	42.00 Mts	
	(4) Thani Sandra Swimming Pool	5	6.00 Mts	—	—	30.00 Mts	
	(5) Rachenahalli (Smashana)	5	6.00 Mts	—	—	30.00 Mts	
	(6) Rachenahalli (IBM Gate)	7	6.00 Mts	—	—	42.00 Mts	
	(7) Telecom layout	5	6.00 Mts	—	—	30.00 Mts	
	(8) Andra bank (Cavery Nagar)	3	6.00 Mts	—	—	18.00 Mts	
	(9) Sirdi Sai Rathan layout	15	6.00 Mts	—	—	90.00 Mts	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497257

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(10) Hegde nagar 3rd cross	12	6.00 Mtr	–	–	72.00 Mtr	
	(11) Kaverty Nagar (Chillappa House) Near	8	6.00 Mtr	–	–	48.00 Mtr	
	(12) Shabari Nagar (Arch)	5	6.00 Mtr	–	–	30.00 Mtr	
	(13) Hegade nagar (6th Cross)	8	6.00	–	–	48.00 Mtr	
	(14) Hegade nagar 1st cross (Ramaiah Road)	8	6.00	–	–	48.00 Mtr	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Re t Meas
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	(15) Thani Sandra (Kempanna House) near	10	6.00	–	–	60.00 MB	
					Total :	858.00 MB	
	Limited To Tender Qty				:	850.00 MB	
	@ Rs. 415.00						35275
(6)	Supply and fixing Collar for GI pipes.						
	(1) New Shanthi nagar (Hegdenagar)	13	–	–	–	13 nos	
	(2) Hegdenagar	2	–	–	–	2 nos	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497258

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Saraipaley Tubalayout	1	–	–	–	1 no	
	(4) Thani Sandra (Swimming Pool)	1	–	–	–	1 no	
	(5) Rachenalli (Smashana)	2	–	–	–	2 nos	
	(6) Tele Com lay out	2	–	–	–	2 nos	
	(7) Siridi Sai rathan layout	5	–	–	–	5 nos	
	(8) Hegdenagar 3rd cross	4	–	–	–	4 nos	
	(9) Kaveninagar near (Challapp's House)	3	–	–	–	3 nos	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(10) Shabari nagar (Arch)	1	–	–	–	1 no	
	(11) Hegdenagar 6th cross	2	–	–	–	2 nos	
	(12) Hegdenagar 1st cross (Ramaiah Road)	4	–	–	–	4 nos	
	(13) Thanisandra (near Kemppannas House)	3	–	–	–	3 nos	
						43 nos	
		@	RS:	154.50			6643.50
(7)	Supplying of Submerisible pump ~~Gate~~ Cable 1x3x6.0 sq.mm						
	(1) Hegde nagara (Church)	2	80.00	–	–	160.00 MH	
	(2) Thanisandra near Temple	2	70.00	–	–	140.00 MH	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497259

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③ Shabarinagar (2nd cross)	2	55.00	-	-	110.00 MH	
	④ Hegdenagara (Smashana)	2	45.00	-	-	90.00 MH	
	⑤ Hegdenagara 1st cross (Ramaiah Road)	2	85.00	-	-	170.00 MH	
	⑥ Dasarahalli (School Campound)	2	90.00	-	-	180.00 MH	
	⑦ Fathima Maqsid (Elactical factary)	2	105.00	-	-	210.00 MH	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⑧ Hegdenagara (Police Qutaress)	2	80.00	–	–	160.00 Mts	
						1220.00 Mts	
		limited To tender Qty: @ Rs: 144.00				1200.00 Mts	172800.00
⑧	Supplying of fixing MCB.						
	① New Shanthinagar (Hegdenagara)	1	–	–	–	1 no	
	② Hegdenagara	1	–	–	–	1 no	
	③ Sairai Palya (Tulsalay out)	1	–	–	–	1 no	
	④ Thanisandra (Swimming Pool)	1	–	–	–	1 no	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497260

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5) Rachenahalli (Smashana)	1	-	-	-	1no	
	(6) Rachenahalli (IBM Gate)	1	-	-	-	1no	
	(7) Tele com layout	1	-	-	-	1no	
	(8) Andra bank Kaveri layout	1	-	-	-	1no	
	(9) Siridi Sai rathan layout	1	-	-	-	1no	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Final Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	(10) Hegdenagar 3rd cross	1	–	–	–	1no	
	(11) Kaverinagar (near Chillappa's House)	1	–	–	–	1no	
	(12) Shabari nagara (Arch)	1	–	–	–	1no	
	(13) Hegdenagar 6th cross	1	–	–	–	1no	
	(14) Hegdenagar 1st Cross	1	–	–	–	1no	
	(15) Thanisandra (near Kempanna's House)	1	–	–	–	1no	
					Total	15nos	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

497261

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rs. 900.00						13500.00
(9)	Earthwork excavation for foundation of buildings. Water Supply. Sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width. In ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of excavation with lead upto 50m after breaking of clods and etc..						
	Qty as per premeasurement Recorded vide page no 497283 of this MB is						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				416.25	M3		
			@ Rs: 290.00				120712.50
(10)	Providing and installing at site of work 63mm(0.662) PVC pipes of 6 Kg/Cm2 including cost of Pipes and Specials and labour. Including lowering into trenches laying true to line, level and perfect linking at Joints leak proof including jointing of approved type with all labour and lift charges. handling charges including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation etc..						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497262

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty as per Premeasurement Recarded vide Page no:- 497284 of this MB is @ Rs: 394.00					925.00 MT	364450.00
(11)	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift up to 1.5m including cost of all labour etc.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide Item no. 9, 18						
					416.25 M3		
			@ Rs. 110.00				45787/-
(12)	Fabricating supplying and mounting MS Box of 16 SWG Suitable for floor/wall mounting, fully weather proof with provition for better hear discription, (providing with hinged front cover equipped with temper proof locking arrangements, with suitable size clamps with necessary Cable						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497263

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	entry pipe with gland and box should be finished 2 Coats of Red oxide primes paint and finally finished with approved Colour enamelled metal paint etc.. Complete box of 21600 sq cm.	5	1100.00	20.00	—	110000.00 M2	
			@ RS: 0.34				37400.00
13	Supplying and fixing of procelain fuse channel with -						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cut out on existing wooden/ Panel using nesell nuts, bolts and washer and etc.-						
		45	–	–	–	45nos	
			@ Rs: 150.00				6750.0
(14)	Supplying and laying of L.T. U.G Cable having aluminium conductor PVC Insulated Shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV Cla 4 core 16 sqmm cable (confirming to IS 1554).						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 497264

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		5	10.00	–	–	50.00 Mts	
	C & FC		@	Rs: 169.00			8450.00
						Total =	1753943.50
	CERTIFICATE:- Certifide that the above work done is Satisfactorily.						

20-09-2019

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